REFERENCES

- Beasley, G. & P. Kneale. 2002. Reviewing the Impact of Metals and PAHs on Macroinvertebrates in Urban Watercourses. Progr Phys Geogr 26: 236-270.
- Beneski, B. 2000. Final Mini Site Inspection Report for Maine Central Railroad Rigby Yard, South Portland, Maine. Maine Department of Environmental Protection, Bureau of Remediation and Waste Management, Augusta, ME. 26 pp.
- Bode, R.W. 1983. Larvae of North American *Eukiefferiella* and *Tvetenia* (Diptera: Chironomidae). New York State Museum, Bulletin No. 452. 40 pp.
- Bode, R.W., M.A. Novak & L.E. Abele. 1996. Quality Assurance Work Plan for Biological Stream Monitoring in New York State. NYS Department of Environmental Conservation, Division of Water, Bureau of Monitoring and Assessment, Stream Biomonitoring Unit, Albany, NY. 89 pp.
- Burian, S.K. & K.E. Gibbs. 1991. Mayflies of Maine: an Annotated Faunal List. Maine Agricultural Experiment Station, University of Maine, Technical Bulletin 142. 109 pp.
- Burks, B.D. 1953. The Mayflies, or Ephemeroptera, of Illinois. Illinois Department of Registration and Education, Natural History Survey Division, Bulletin 26 (1): 1 216.
- Cancilla, D.A., J.C. Baird, S.W. Geis & S.R. Corsi. 2003a. Studies of the Environmental Fate and Effect of Aircraft Deicing Fluids: Detection of 5-Methyl-1H-Benzotriazole in the Fathead Minnow (*Pimephales promelas*). Environ Toxicol Chem 22: 134 140.
- Cancilla, D.A., J.C. Baird & R. Rosa. 2003b. Detection of Aircraft Deicing Additives in Groundwater and Soil Samples from Fairchild Air Force Base: A Small to Moderate User of Deicing Fluids. Bull Environ Contam Tox 70: 868 875.
- Center for Watershed Protection (CWP). 2003. Impacts of Impervious Cover on Aquatic Systems. Watershed Protection Research Monograph No. 1. Center for Watershed Protection, Ellicott City, MD. 142 pp.
 - 2004. Illicit Discharge Detection and Elimination: A Guidance Manual for Program Development and Technical Assessments. Center for Watershed Protection, Ellicott City, MD. 198 pp. www.cwp.org
- City of Nashua, New Hampshire. 2003. Alternative Stormwater Management Methods. Part 2 Designs and Specifications. City of Nashua, New Hampshire.
- Coles, J.F., T.F. Cuffney, G. McMahon & K.M. Beaulieu. 2004. The Effects of Urbanization on the Biological, Physical, and Chemical Characteristics of Coastal New England Streams. USGS Professional Paper 1695. 47 pp.

- Connecticut River Joint Commissions (CRJC). 2000. Introduction to Riparian Buffers for the Connecticut River Watershed. CRJC, Charlestown, NH. 4 pp. www.crjc.org/buffers/Introduction.pdf (2/9/2005)
- Davies, S.P., L. Tsomides, J.L. DiFranco & D.L. Courtemanch. 1999. Biomonitoring Retrospective: Fifteen Year Summary for Maine Rivers and Streams. Maine Department of Environmental Protection, Augusta, ME; DEP LW1999-26. 190 pp.
- Davies, S. P. and L. Tsomides. 2002. Methods for Biological Sampling and Analysis of Maine's Rivers and Streams. (3rd ed.). Maine Department of Environmental Protection, Augusta, ME; DEP LW0387-B2002. 31 pp.
- DeLuca-Hoffman Associates, Inc. 1999. Capisic Brook Watershed Flood Control Study Re-evaluation. Final Draft.
- Dolloff, C.A. 1994. Large Woody Debris The Common Denominator for Integrated Environmental Management of Forest Streams. In: Implementing Integrated Environmental Management. Cairns, J. Jr., T.V. Crawford & H Salwasser (eds.). Virginia Polytechnic Institute and State University. University Center for Environmental and Hazardous Materials Studies, Blacksburg, VA. www.riparianbuffers.umd.edu/manuals/dolloff.html (2/9/2005)
- Edmunds, G.F., S.L. Jensen & L. Berner. 1976. The Mayflies of North and Central America. University of Minnesota Press, Minneapolis, MI. 330 pp.
- Field, J.J. 2003. Fluvial Geomorphic Assessment of Four Urban Streams in Portland and Bangor, Maine. Field Geology Services, Farmington, ME. 13 pp. plus figures, tables and appendices.
- Hilsenhoff, W.L. 1987. An Improved Biotic Index of Organic Stream Pollution. Great Lakes Entomologist 20(1): 31 39.
- Kentucky Department of Environmental Protection (DEP). 1998. Impacts of Deicing Fluids on Elijahs and Gunpowder Creeks, Boone County, Kentucky. Kentucky Department of Environmental Protection, Frankfort, KY; 21 pp. plus appendices. www.epa.gov/owow/tmdl/examples/organics/ky_elijahgunpowder.pdf (2/9/2005)
- Lane, C.R. (draft). 2004. Conceptual Models for Use with CADDIS: Causal Analysis/Diagnosis Decision Information System. US EPA Office of Research and Development, National Exposure Research Lab, Cincinnati, OH.
- Lydersen, E., S. Øxnevad, K. Østbye, R.A. Andersen, F. Bjerkely, L.A. Vøllestad & A.B.S. Poléo. 2002. The Effects of Ionic Strength on the Toxicity of Aluminum to Atlantic salmon (*Salmo salar*) under Non-Steady State Chemical Conditions. J Limnol 61: 69 76.

- Maine Department of Environmental Protection (MDEP). Statewide Water Quality Criteria (SWQC). Maine Department of Environmental Protection, BLWQ, Augusta, ME; www.state.me.us/dep/blwq/docmonitoring/wqc.pdf (2/9/2005)
 - 1995. Stormwater Management for Maine: Best Management Practices. Maine Department of Environmental Protection, Augusta, ME. 222 pp.
 - 2000. Surface Water Ambient Toxic Monitoring Program, 1997 technical report. Maine Department of Environmental Protection, BLWQ, Augusta, ME; DEPLW 2000-5.
 - 2001a. Surface Water Ambient Toxic Monitoring Program, 1999 technical report. Maine Department of Environmental Protection, BLWQ, Augusta, ME; DEPLW 2001-8.
 - 2001b. Summary of the Method Used to Develop an Algorithm to Predict the % Imperviousness of Watersheds. Dennis, J. & A. Piper, Maine Department of Environmental Protection, BLWQ, Augusta, ME; internal document. 2 pp.
 - 2002a. Surface Water Ambient Toxic Monitoring (SWAT) Program, 2000 technical report. Maine Department of Environmental Protection, BLWQ, Augusta, ME; DEPLW0495.
 - 2002b. Surface Water Ambient Toxic Monitoring (SWAT) Program, 2001 technical report. Maine Department of Environmental Protection, BLWQ, Augusta, ME; DEPLW0546.
 - 2002c. River and Stream Biological Monitoring Program, Frequently Asked Questions. Maine Department of Environmental Protection, BLWQ, Augusta, ME; DEP LW0561. 8 pp. www.state.me.us/dep/blwq/docmonitoring/biomonitoring/faq.pdf (2/9/2005)
 - 2002d. 2002 Integrated Water Quality Monitoring and Assessment Report ["305 (b) report"]. Maine Department of Environmental Protection, BLWQ, Augusta, ME; DEPLW 0633.
 - 2003a. Maine Erosion and Sediment Control BMPs. Maine Department of Environmental Protection, BLWQ, Augusta, ME; DEPLW 0588.
 - 2003b. June 4, 2003 Sediment and Surface Water Sampling Report, Birch Stream, Bangor, Me. Maine Department of Environmental Protection, BRWM, Augusta, ME.
 - 2004a. Spill Report Master List. Maine Department of Environmental Protection, BRWM, Augusta, ME. 1183 pp.
 - 2004b. DRAFT 2004 Integrated Water Quality Monitoring and Assessment Report ["305 (b) report"]. Maine Department of Environmental Protection, BLWQ, Augusta, ME; DEPLW 0665.

- 2004c. Surface Water Ambient Toxic Monitoring (SWAT) Program, 2002-2003 technical report. Maine Department of Environmental Protection, BLWQ, Augusta, ME; DEPLW 0693.
- McCullough, D.A. 1999. A Review and Synthesis of Effects of Alterations to the Water Temperature Regime on Freshwater Life Stages of Salmonids, with Special Reference to Chinook Salmon. United States Environmental Protection Agency, Region 10, Seattle, OR. EPA 910-R-99-010. 279 pp.
- Merrit, R.W. & K.W. Cummins. 1996 (3rd edition). Aquatic Insects of North America. Kendall/Hunt Publishing Company, Dubuque, IA. 862 pp.
- Morse, C.C. 2001. The response of first and second order streams to urban land-use in Maine, U.S.A. M.Sc. thesis, University of Maine at Orono, ME. 98 pp.
- Ontario Ministry of the Environment. 1993. Guidelines for the Protection and Management of Aquatic Sediment Quality in Ontario. Ontario Ministry of the Environment, Toronto, ON (Canada); PIBS 1962 (ISBN 0-7778-9248-7).
- PathFinder Science. 2004. Water Quality Index Protocol, Biochemical Oxygen Demand. http://pathfinderscience.net/stream/cp4bod.cfm
- Paul, M.J. & J.L. Meyer. 2001. Streams in the Urban Landscape. Ann Rev Ecol Sys 32: 333 365.
- Peckarsky, B.L., P.R. Fraissinet, M.A. Penton & D.J. Conklin. 1990. Freshwater Macroinvertebrates of Northeastern North America. Cornell University Press, Ithaca, NY. 442 pp.
- Pennak, R.W. 1991 (3rd edition). Fresh-Water Invertebrates of the United States. Protozoa to Mollusca. John Wiley & Sons, Inc., New York, NY. 628 pp.
- Platts, W.S., W.F. Megahan & G.W. Minshall. 1983. Methods for Evaluating Stream, Riparian, and Biotic Conditions. United States Department of Agriculture (USDA) Forest Service General Technical Report INT-138. 70 pp.
- Rochfort, Q., L. Grapentine, J. Marsalek, B. Brownlee, T. Reynoldson, S. Thompson, D. Milani & C. Logan. 2000. Using Benthic Assessment Techniques to Determine Combined Sewer Overflow and Stormwater Impacts in the Aquatic Ecosystem. Water Qual Res J Canada 35 (3): 365 397.
- Thorp, J.H., & A.P. Covich. 1991. Ecology and Classification of North American Freshwater Invertebrates. Academic Press, Inc., San Diego, California.
- Schefter, P.W. & G.B. Wiggins. 1986. A Systematic Study of the Nearctic Larvae of the *Hydropsyche morosa* Group (Trichoptera: Hydropsychidae). Royal Ontario Museum, Life Sciences Miscellaneous Publications, Toronto, ON (Canada). 94 pp.

- Schueler, T. 1994. The Importance of Imperviousness. Watershed Protection Techniques 1 (3): 100 111.
- Simpson, K.W., R.W. Bode & P. Albu. 1983. Keys for the Genus *Cricotopus* Adapted from "Revision der Gattung *Cricotopus* van der Wulp und ihrer Verwandten (Diptera, Chironomidae)" by M. Hirvenoja. New York State Museum, Bulletin No. 450. 133 pp.
- South Portland Land Trust (SPLT). In prep. Stream and Watershed Survey of Trout Brook, South Portland.
- Sztruhar, D., M. Sokac, J. Marsalek, E. Frankova, L. Hyanek, D. Rusnak, S. Stanko, J. Ilavsky & J. Namer. 1997. A Case Study of Combined Sewer Overflow Pollution:
 Assessment of Sources and Receiving Water Effects. Water Qual Res J Canada 32: 563 578.
- United States Department of Agriculture (USDA) Forest Service. 1997. Agroforestry Notes #5: A Riparian Buffer Design for Cropland. Dosskey, M.G., R.C. Schultz & T.M. Isenhart. USDA Forest Service, Lincoln, NE. www.unl.edu/nac/afnotes/rip-4/rip-4.pdf (2/9/2005)
- United States Environmental Protection Agency (USEPA). 1997. Volunteer Stream Monitoring: A Methods Manual. Office of Water; Washington, D.C.; EPA 841-B-97-003.
 - 1999. Rapid Bioassessment Protocols for Use in Streams and Wadeable Rivers. Ch. 5, Habitat Assessment and Physiochemical Parameters. Office of Water; Washington, D.C.; EPA 841-B-99-002.
 - 2000a. Stressor Identification Guidance Document. Cormier, S., S. Norton, and G. Suter. Office of Water, and Office of Research and Development, Washington, D.C.; EPA/822/B-00/025.
 - 2000b. Ambient Water Quality Criteria Recommendations. Information Supporting the Development of State and Tribal Nutrient Criteria for Rivers and Streams in Nutrient Ecoregion XIV. Office of Water; Washington, D.C.; EPA 822-B-00-022.
 - 2001. Ambient Water Quality Criteria Recommendations. Information Supporting the Development of State and Tribal Nutrient Criteria for Rivers and Streams in Nutrient Ecoregion VIII. Office of Water; Washington, D.C.; EPA 822-B-01-015.
- United States Geological Survey (USGS). 1996. Nutrients in the Nation's Waters Too Much of a Good Thing? USGS (Mueller, D.K. & D.R. Helsel) Circular 1136.
- Varricchione, J.T. 2002. A biological, physical, and chemical assessment of two urban streams in southern Maine: Long Creek & Red Brook. Volumes I and II, Maine Department of Environmental Protection, Portland, ME.

- Weather Underground. 2003/2004. Current and historical weather data for Bangor (www.wunderground.com/US/ME/Bangor/KBGR.html, 2/9/2005) and Portland (www.wunderground.com/US/ME/Portland.html, 2/9/2005). Weather Underground, Ann Arbor, MI.
- Wiederholm, T. (ed.). 1983. Chironomidae of the Holarctic region. Keys and Diagnoses. Part 1 Larvae. Borgströms Tryckeri AB, Motala. 457 pp.
- Wiggins, G.B. 1996 (2nd edition). Larvae of the North American Caddisfly Genera (Trichoptera). University of Toronto Press, Toronoto, ON (Canada). 457 pp.
- Williams, D.D. & N.E. Williams. 1998. Aquatic Insects in an Estuarine Environment: Densities, Distribution and Salinity Tolerance. Freshwater Biol 39: 411-421.
- Williams, D.D. & T. Hamm. 2002. Insect Community Organisation in Estuaries: the Role of the Physical Environment. Ecography 25: 372 384.

SOURCES OF PERSONAL COMMUNICATIONS

- Cloutier, Patrick, Director, Water Resource Protection, City of South Portland, 25 Cottage Road, South Portland ME 04106; phone (207) 767-7675; e-mail pcloutier@southportland.org
- Corsi, Steven, Research Hydrologist, U.S. Geological Survey, 8505 Research Way, Middleton WI 53562; phone(608) 821-3835; e-mail srcorsi@usgs.gov
- Danielson, Tom, Biologist, MDEP, SHS # 17, Augusta ME 04333; phone (207) 287-7728; e-mail Thomas.J.Danielson@maine.gov
- Davies, Susan, Biologist, MDEP, SHS # 17, Augusta ME 04333; phone (207) 287-7778; e-mail Susan.P.Davies@maine.gov
- DiFranco, Jeanne, Biologist, MDEP, 312 Canco Road, Portland ME 04103; phone (207) 822-6359; e-mail Jeanne.DiFranco@maine.gov
- Heath, Douglas, Hydrogeologist, EPA New England, 1 Congress Street, Suite 1100, Boston MA 02114; phone (617) 918-1585; e-mail heath.doug@epa.gov
- Hopeck, John, Geologist, MDEP, SHS # 17, Augusta ME 04333; phone (207) 287-7733; e-mail John.T.Hopeck@maine.gov
- Logue, Ed, Regional Director, MDEP, 106 Hogan Road, Bangor ME 04401; phone (207) 941-4190; e-mail Edward.Logue@maine.gov

- Murphy, John, Engineer, City of Bangor, 73 Harlow Street, Bangor ME 04401; phone (207) 992-4247; e-mail john.murphy@bgr.org
- Pineo, David, Engineer, Water Resource Protection, City of South Portland, 25 Cottage Road, South Portland ME 04106; phone (207) 767-7675; e-mail dpineo@southportland.org
- Roland, Brad, Engineer, Public Works Department, City of Portland, 55 Portland Street, Portland ME 04101; phone (207) 874-8493; e-mail BRAD@portlandmaine.gov
- True, John, Environmental Engineer, MDEP, SHS # 17, Augusta ME 04333; phone (207) 287-7808; e-mail John.N.True@maine.gov
- Tsomides, Leon, Biologist, MDEP, SHS # 17, Augusta ME 04333; phone (207) 287-7844; e-mail Leon.Tsomides@maine.gov